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(NE)

Response under 37 CFR 1.116
Expedited Procedure
Examining Group 1631

Attorney Docket No. 5849.200-US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Berka *et al.*

Confirmation No. 6980

Serial No.: 09/533,559

Group Art Unit: 1631

Filed: March 22, 2000

Examiner: J.S. Brusca

For: Methods For Monitoring Multiple Gene Expression

AMENDMENT

RECEIVED

MAY 15 2003

Commissioner for Patents
Washington, DC 20231

TECH CENTER 1600/2900

Sir:

In response to the Office Action dated November 7, 2002, please amend the above-captioned application as follows:

IN THE CLAIMS

Please cancel claims 90-102 without prejudice or disclaimer. Please add new claims 103-110. The following is the status of the claims of the above-captioned application, as amended.

Claims 90-102 cancelled.

103. (New) A method for monitoring differential expression of a plurality of genes in a first filamentous fungal cell relative to expression of the same genes in one or more second filamentous fungal cells, comprising:

(a) adding a mixture of fluorescence-labeled nucleic acids isolated from the filamentous fungal cells to a substrate containing an array of *Aspergillus oryzae* ESTs selected from the group consisting of SEQ ID NOs. 4377-7401 and fragments thereof, under conditions where the nucleic acids hybridize to complementary sequences of the ESTs in the array, wherein the nucleic acids from the first filamentous fungal cell are labeled with a first fluorescent reporter and the one or more